

Fig. 1a: Prior Art: flow-chart of Gauss-Seidel Loadflow (GSL) Method

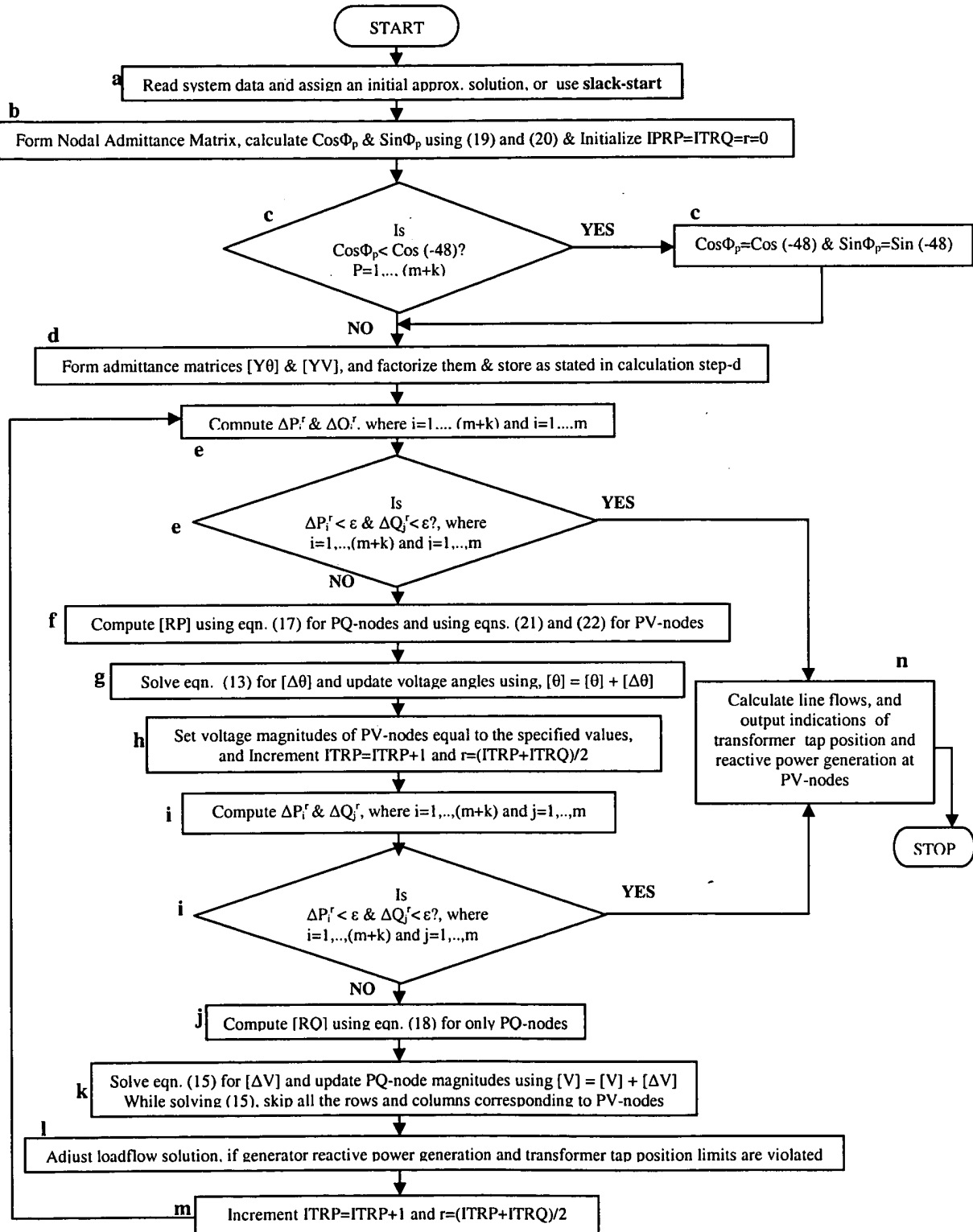
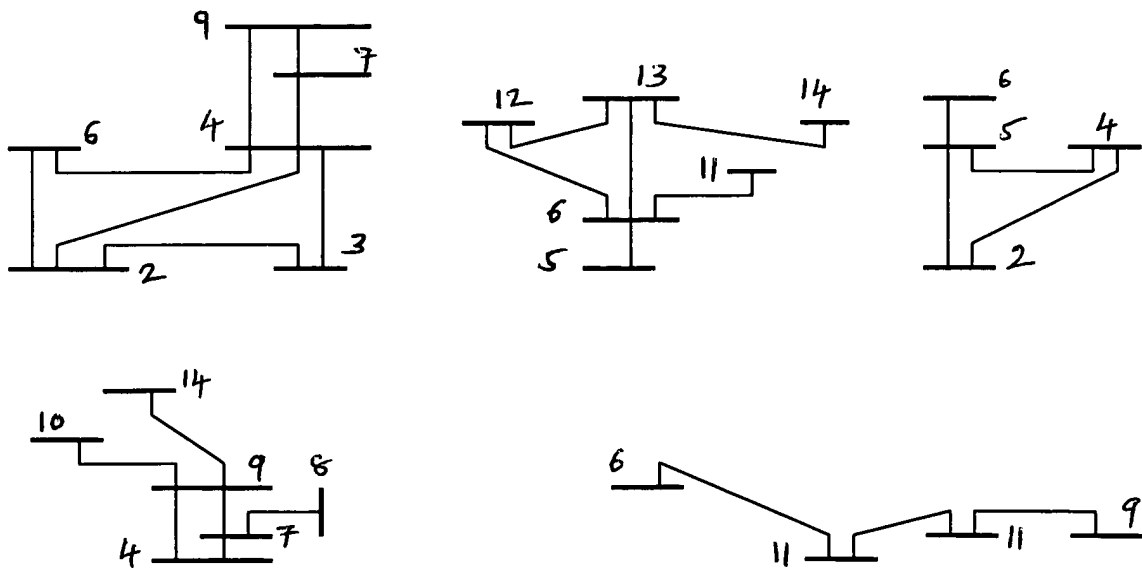
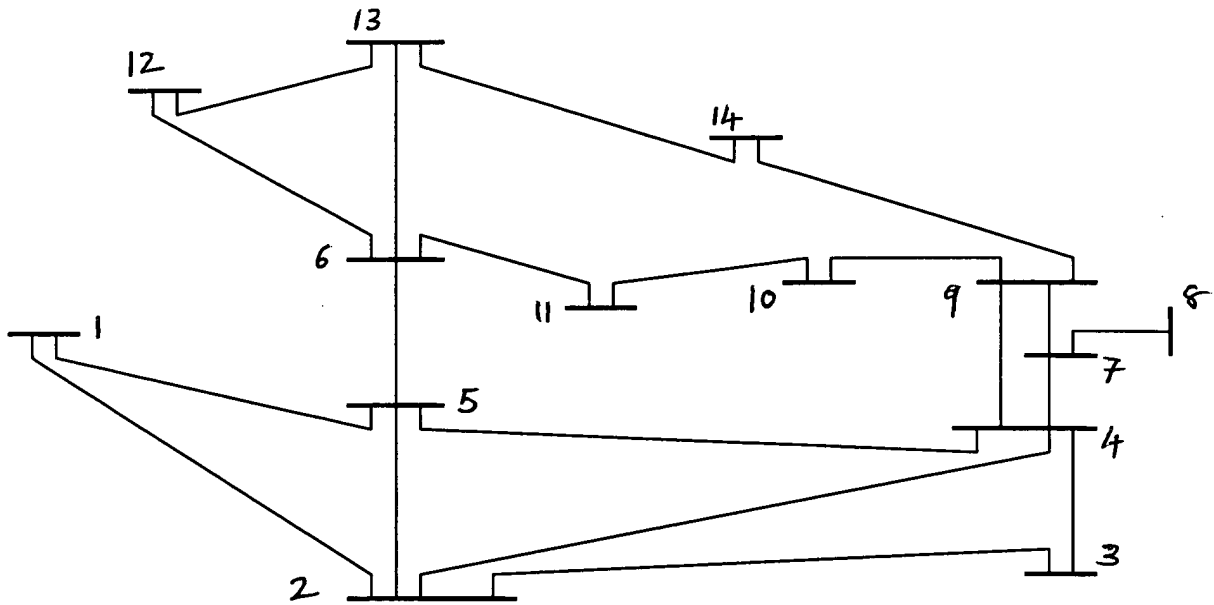


Fig.1b: Prior Art: Flow-chart: Super Super Decoupled Loadflow (SSDL) Method



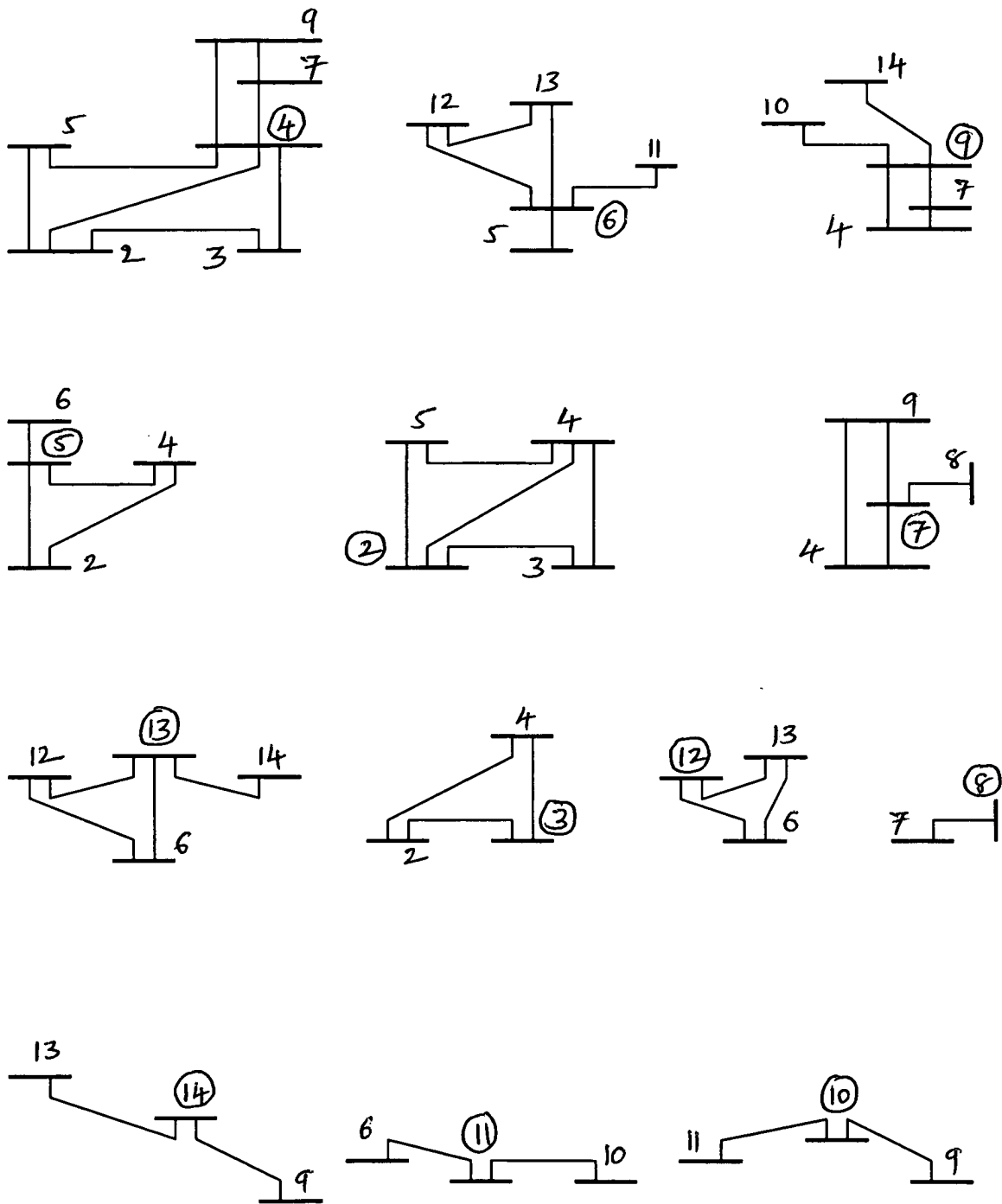


Fig. 2b: Level-1 sub-networks around circled nodes for the network of fig. 2a

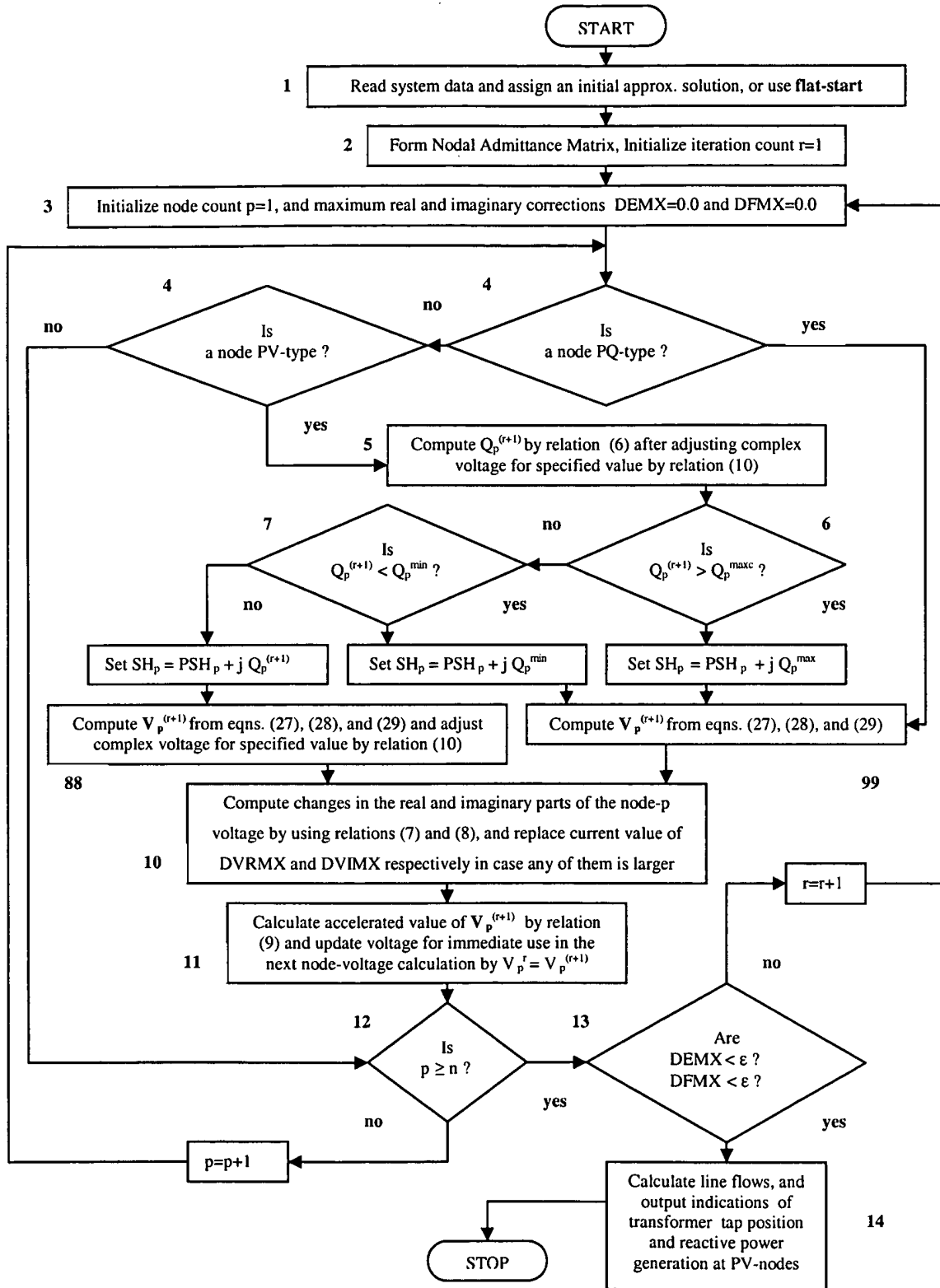


Fig. 3a: Invention: flow-chart of Gauss-Seidel-Patel Loadflow (GSPL) Method

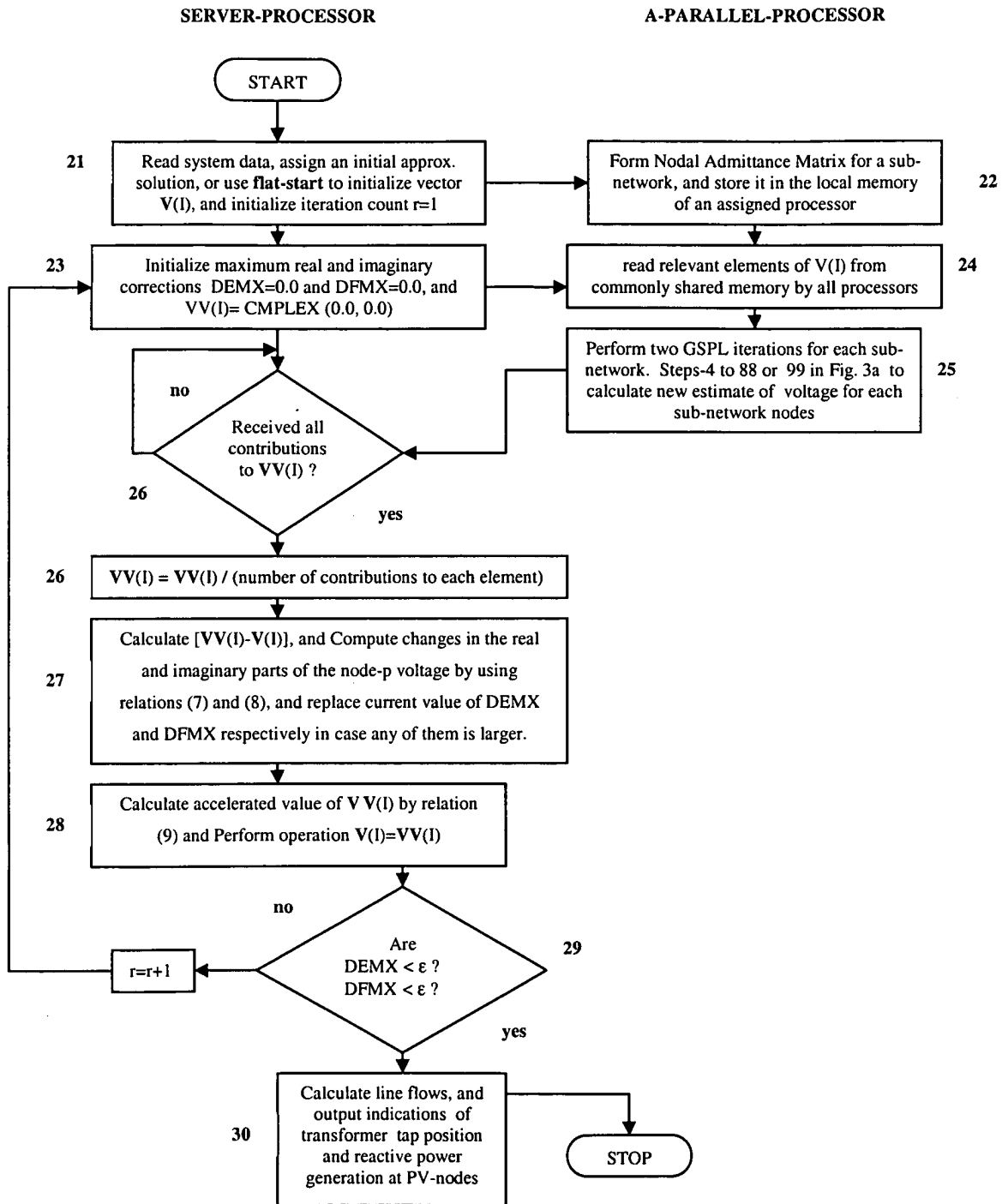


Fig. 3b: Invention: flow-chart of Parallel-Gauss-Seidel-Patel Loadflow (PGSPL) Method

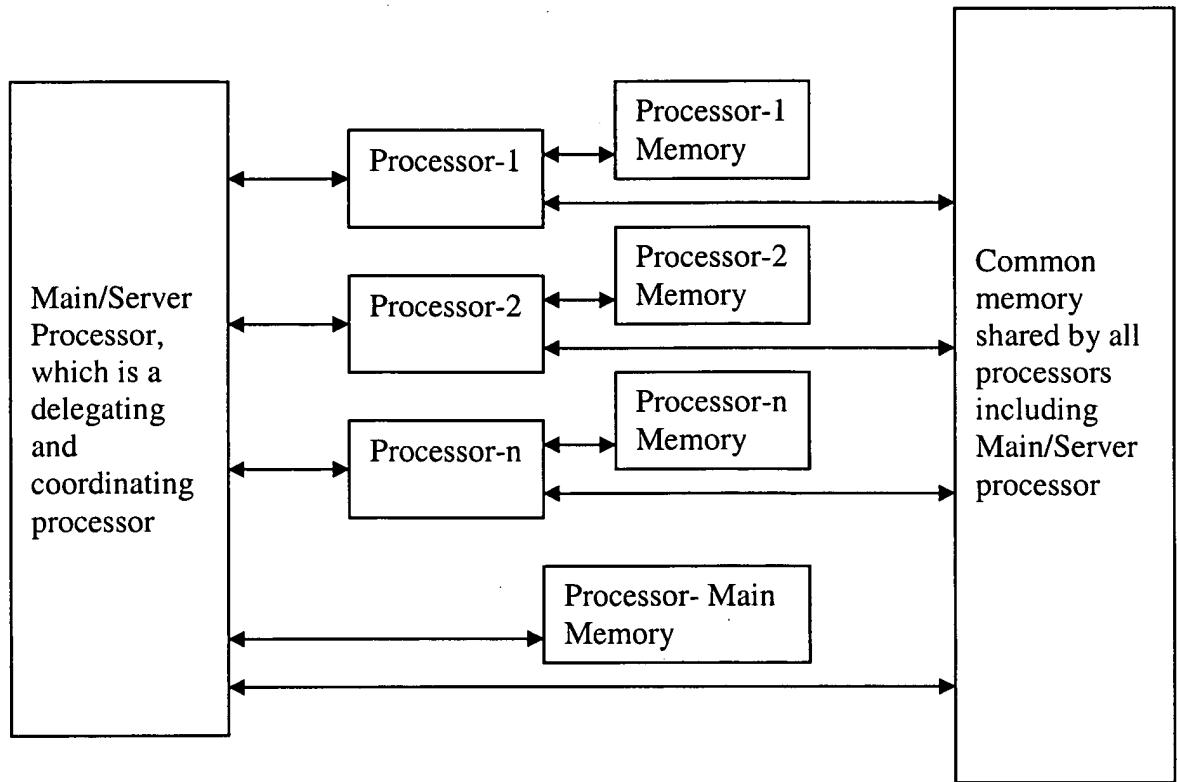


Fig. 4: Invented Parallel computer Architecture/organization

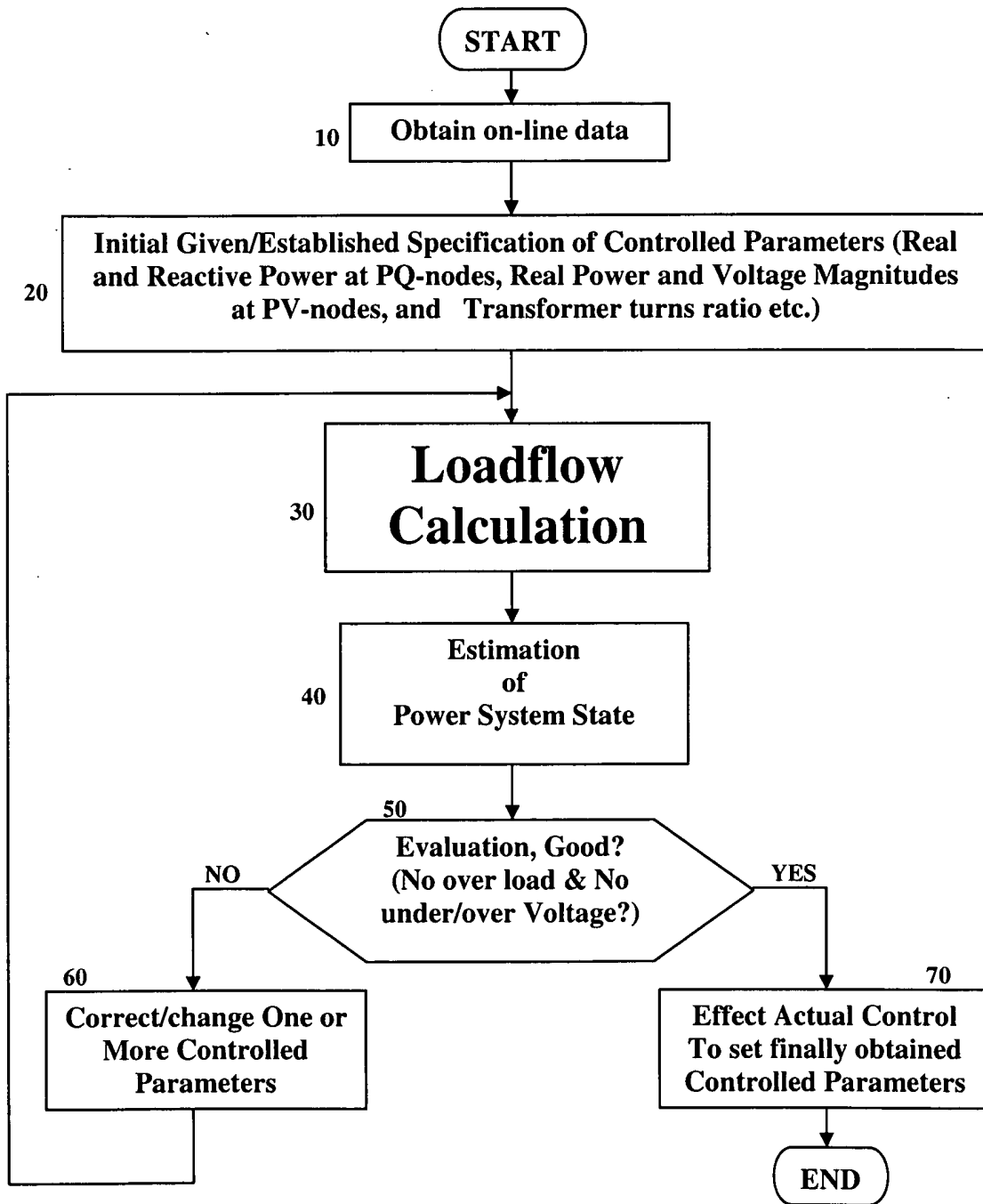


Fig. 5: Loadflow Calculation in Power Flow Control and/or Voltage Control in Electrical Power System

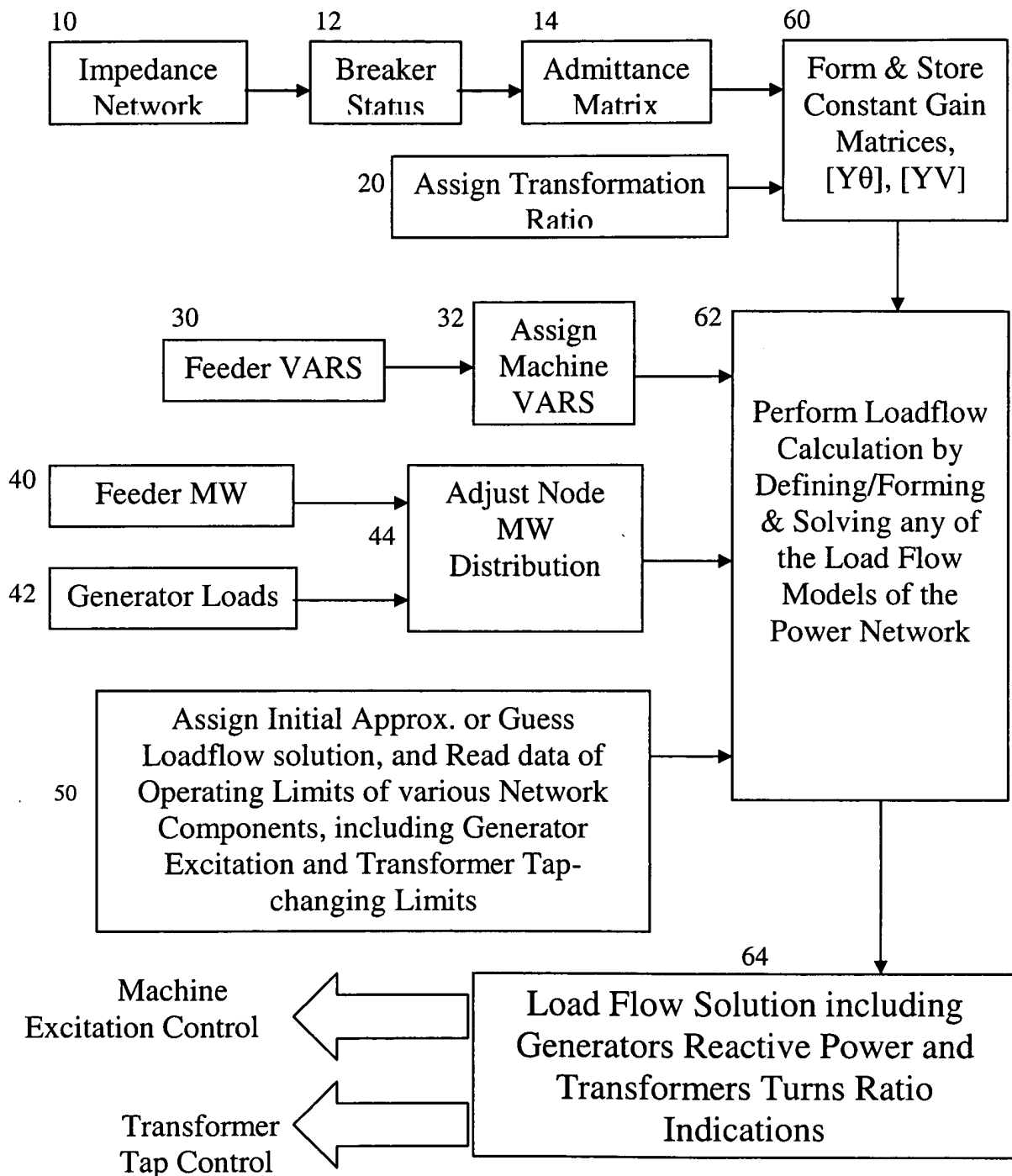


Fig. 6: Load-Flow Calculation for Voltage Control in Electrical Power System

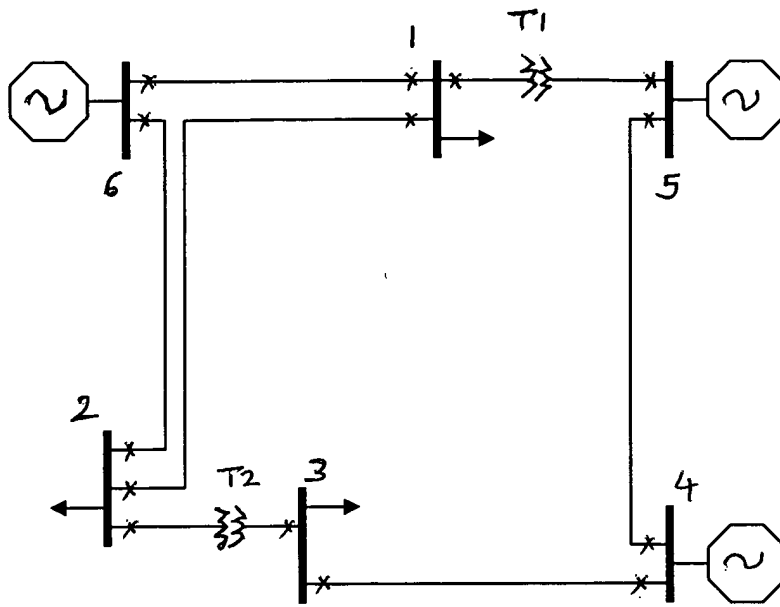


Fig. 7: An Exemplary 6-node Power System

Nodes: 1, 2, 3 are PQ-nodes

Nodes: 4 and 5 are PV-nodes

Nodes: 6 is the slack/swing/reference node

Transformers T1 and T2 are tap-changing